NGA Regional Market Trends 2022

Winter Look Back

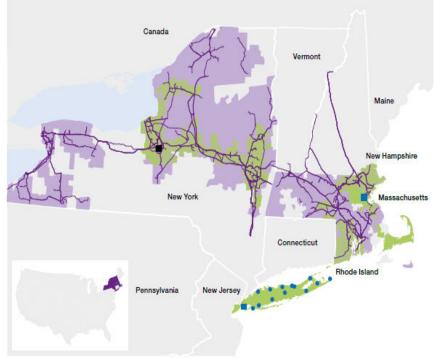
March 29, 2022

Rich Delaney Director Gas Control US

nationalgrid

National Grid

National Grid is one of the world's largest investor-owned utilities, with more than 7 million gas and electric U.S. customers and 22,000 employees in the U.S. and U.K.



Our commitment to customers and the future of energy

National Grid

National Grid U.S. by the numbers

- 3.6 million gas customers
- Gas network of 35,000 miles of gas distribution pipeline; 490 miles of gas transmission pipeline
- 3.4 million electric customers
- Electricity transmission network of 8,800 miles of overhead line; 100 miles of underground cable; 380 transmission substations

Winter 21-22 Weather

- Winter Slightly Warmer than normal
- Dec- March to date comparison for NY Companies has NY Downstate Area 4.6% warmer than historical average and Upstate 2.9% Warmer. MA and RI were 3.0% and 3.1% warmer, respectively.
- Driven by warmer than average December, February and March
- January was colder than average NY Downstate (+12%) NY Upstate (+10%) MA (+11%) RI (+12%)
- Several combined gas day periods of large swings from warmer than average days back to average or below average colder gas days made for challenging operations

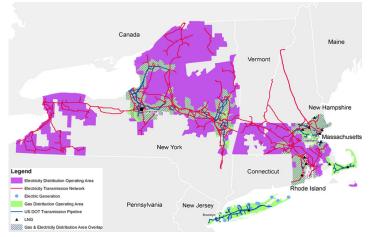




21-22 – What was the outlook?

National Grid Winter Operations

- Company wide top 10 for throughput (includes power generation) set in Mid January
- Operating Companies set Top 10 Records in 3 of the 5 Operating Companies
- LI and UNY set records in Mid January for Sendout (excludes power generation)
- NYC, our KEDNY Operating Company set a top 10 Throughput in early February
- No top 10 days in MA or RI this winter
- Covid Impacted NY Control Center Operations with the omicron spike in late December and early January leading to an early rise in illness/quarantine impacts. NE Control Center did not see the similar spike.



National Grid

National Grid Winter Operations

- Called on Non-Firm Customers to interrupt supply on coldest of days- Each operating Company has different rules resulting in different time/duration of events
 - ▶ NYC- Tier 1 (15 degrees) 4 periods Tier 2 (20 degrees) 8 periods
 - ➢ LI- Tier 1 (15 degree) 5 periods Tier 2 (20 degrees) 9 periods
 - > UNY- 5 periods
 - MA- 4 days
 - ➢ RI-16 days
- Operating Companies issued OFO's as needed throughout winter to maintain reliable service - average to lower than average use of balancing and 1/24th OFO's were issued this winter
- Company called on LNG assets during peak conditions for supply- Usage was slightly below average for NE LNG Plants and similar profile for DNY plants.
- LNG assets were called on for pressure support during periods of Upstream events (compressor outages, etc.).

National Grid

4 CNG Transfer Sites delivered in two years to support peak hour demand during the coldest days of the winter



- Peak Flow Rate: 1,100 dt/hr
- Site Capacity: 12 Trailers
- Commissioned in Feb 2020
- Peak Flow Rate: 2,200 dt/hr
- · Site Capacity: 24 Trailers
- Commissioned in Dec 2020
- Peak Flow Rate: 2,200 dt/hr
- Site Capacity: 22 Trailers
- Commissioned in Dec 2020
- Peak Flow Rate: 2,200 dt/hr
- · Site Capacity: 24 Trailers
- Commissioned in June 2021

National Grid